

CLAIMS

We claim:

1. A drawer refrigerator having an evaporator, a compressor receiving return refrigerant from the evaporator and a condenser coupled to the compressor and to the evaporator through a restriction, the drawer refrigerator comprising:

- 5 a cabinet defining a cavity with a front opening;
 a pull-out drawer slidably mounted within the cavity of the cabinet and having a door panel at least partially closing the front opening and a drawer bin mounted to the door panel; and
 a bottle bin slidably supported by the drawer bin having a bottle retainer
10 for receiving a neck of a bottle contained in the bottle bin.

2. The drawer refrigerator of claim 1, wherein the bottle retainer is a unitary feature of the bottle bin.

3. The drawer refrigerator of claim 2, wherein the bottle retainer is a recess in an upright wall of the bottle bin.

4. The drawer refrigerator of claim 3, wherein the recess is located at a front of the bottle bin.

5. The drawer refrigerator of claim 2, wherein the bottle bin has a plurality of bottle retainers.

6. The drawer refrigerator of claim 2, wherein the bottle bin has guides located at opposite sides that engage opposite side walls of the drawer bin so as to be slidable along the side walls of the drawer bin.

7. The drawer refrigerator of claim 6, wherein a portion of the bottle bin is slidable beyond a rear wall of the drawer bin.

8. The drawer refrigerator of claim 2, wherein the bottle bin has a unitary handle.

9. A drawer refrigerator having an evaporator, a compressor receiving return refrigerant from the evaporator and a condenser coupled to the compressor and to the evaporator through a restriction, the drawer refrigerator comprising:

5 a cabinet defining a cavity with a front opening;

a pull-out drawer slidably mounted within the cavity of the cabinet, the drawer having a front door panel at least partially closing the front opening, a drawer bin mounted to the door panel, and a side access compartment opening to a side of the drawer bin perpendicular to the door panel; and

10 a storage bin disposed in the side access compartment and removable therefrom from the side of the drawer bin when the drawer is in an open position in which the door panel is spaced from the cabinet.

10. The drawer refrigerator of claim 9, wherein the side access compartment is disposed beneath the drawer bin.

11. The drawer refrigerator of claim 10, wherein the side access compartment extends between opposite sides of the drawer bin parallel with the door panel.

12. The drawer refrigerator of claim 11, wherein the side access compartment is open-ended at opposite sides so that the storage bin can be accessed from opposite sides of the drawer generally perpendicular to the door panel.

13. The drawer refrigerator of claim 9, wherein the drawer includes a transparent bottom portion for viewing an interior of the side access compartment from an interior of the drawer bin.

14. The drawer refrigerator of claim 13, wherein the transparent bottom portion is a removable panel.

15. The drawer refrigerator of claim 9, wherein the storage bin has edge surfaces designed to self-align the storage bin as it is positioned within the side access compartment.

16. The drawer refrigerator of claim 15, wherein the edge surfaces are rounded peripheral end surfaces.

17. A drawer refrigerator having an evaporator, a compressor receiving return refrigerant from the evaporator and a condenser coupled to the compressor and to the evaporator through a restriction, the drawer refrigerator comprising:

5 a cabinet defining a cavity with a front opening;
 a pull-out drawer slidably mounted within the cavity of the cabinet having a front door panel at least partially closing the front opening and a drawer bin having a bottom, rear and opposite side walls; and

 a divider fence disposed within the drawer bin having a lateral divider
10 extending being the side walls thereof and a transverse divider extending between the door panel and the rear wall of the drawer bin, the lateral and transverse dividers between coupled and releasably locked together at a hub such that when the hub is unlocked the transverse divider can slide between the sides of the drawer bin and the lateral divider can slide between the door panel
15 and the rear wall of the drawer bin independent of the position of the other divider.

18. The drawer refrigerator of claim 17, wherein the hub of the divider fence includes a locking member contacting one of the dividers and pressing it against the other divider to inhibit relative movement.

19. The drawer refrigerator of claim 18, wherein the hub further includes a body having openings through which the dividers pass.

20. The drawer refrigerator of claim 19, wherein the locking member is a threaded knob that threads into a mating opening in the hub body.

21. The drawer refrigerator of claim 17, wherein the dividers are elongated rods.

22. The drawer refrigerator of claim 17, wherein the dividers have contact pads at each end.

23. The drawer refrigerator of claim 17, wherein there are two lateral dividers spaced apart in parallel and two transverse members spaced apart in parallel.

24. The drawer refrigerator of claim 22, wherein the two lateral dividers and the two transverse dividers are spaced apart vertically.

25. A drawer refrigerator, comprising:

a cabinet defining an interior chamber with a front opening and having a partition dividing the chamber into two drawer cavities one vertically above the other;

5 two pull-out drawers each slidably mounted to the cabinet so that a drawer bin is disposed in one of the drawer cavities when the drawer is in a closed position in which a front door panel thereof closes the associated drawer cavity; and

10 a refrigeration system including a single evaporator, a compressor receiving return refrigerant from the single evaporator and a condenser coupled to the compressor and to the single evaporator through a restriction;

15 wherein the single evaporator is disposed within the interior chamber of the cabinet along a rear wall thereof so as to extend adjacent both drawer cavities and is partitioned vertically by the partition such that the temperature difference within the cabinet interior cavity is no more than about three degrees Fahrenheit at each drawer cavity when the drawers are unloaded.

26. The drawer refrigerator of claim 25, wherein the temperature difference is essentially zero.

27. The drawer refrigerator of claim 25, wherein the cabinet includes a mullion extending between opposite upright side walls at the front opening.

28. The drawer refrigerator of claim 25, wherein more of the evaporator is disposed in an upper drawer cavity than in a lower drawer cavity.